

Abstract Of The Disclosure

A method for transmitting data, in which a first signature is formed according to a specifiable signature formation method as a function of the data to be transmitted, the first signature is transmitted together with the data a second signature is formed according to the signature formation method as a function of the transmitted data and the first signature is compared with the second signature. To reduce the likelihood of fault masking in monitoring the transmission of the data using signature analysis, a provision is made to invert the data to be transmitted, to form the first signature according to the specifiable signature formation method as a function of the data to be transmitted and of the inverted Data , to transmit the first signature and the data to invert the transmitted data , to form the second signature according to the signature formation method as a function of these inverted data and the transmitted data , and to compare the first signature with the second signature.